



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name: Cherokee Brick & Tile Company
Facility Address: 3250 Waterville Road
Macon, Georgia 31206 (Bibb County)
Mailing Address: P.O. Box 4567
Macon, Georgia 31208-4567
Parent/Holding Company: Cherokee Brick & Tile Company
Facility AIRS Number: 04-13-021-00167

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

Upgrading the mixing plant at the facility.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. 3251-021-0167-V-05-0. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. 692605 dated September 21, 2022; any other applications upon which this Amendment or Permit No. 3251-021-0167-V-05-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 5 pages.



Richard E. Dunn, Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION**1.3 Process Description of Modification**

The Macon facility is planning to upgrade the mixing plant at the facility to allow for redundancy. The upgraded mixing plant will include two parallel material processing systems, each consisting of eight (8) conveyor belts, a crusher, and a screen bank. Cherokee Brick & Tile Company requested placing an annual throughput limit of 1,576,800 tons of material to avoid triggering PSD permitting. This combined throughput cap of 1,576,800 tons of material per year (tpy) through both lines of the upgraded mixing plant, corresponds to no observed increases in production as a result of the project.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Additional Emission Units

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
PC02	Primary Crusher No. 2	40 CFR 60 Subpart OOO 391-3-1-.02(2)(e)	N/A	None
CS01	Conveyance System No. 1		N/A	None
CS02	Conveyance System No. 2		N/A	None
SB01	Screen Bank No. 1		N/A	None
SB02	Screen Bank No. 2		N/A	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

3.2.2 The Permittee shall comply with the following:

[40 CFR 52.21, *Prevention of Significant Deterioration of Air Quality*, Avoidance]

- a. Limit the 12-month rolling cumulative throughput between the Conveyance Systems (CS01 and CS02) to combined amounts not exceeding 1,576,800 tons.
- b. Limit the 12-month rolling cumulative throughput between the Primary Crushers (PC01 and PC02) to combined amounts not exceeding 1,576,800 tons.
- c. Limit the 12-month rolling cumulative throughput between the Screen Banks (SB01 and SB02) to combined amounts not exceeding 1,576,800 tons.

PART 4.0 REQUIREMENTS FOR TESTING**4.2 Specific Testing Requirements**

- 4.2.4 For any affected facilities, as defined in 60.670 and 60.671 of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, that commence construction, modification, or reconstruction on or after April 22, 2008, the Permittee shall repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 40 CFR 60.674(b) and 40 CFR 60.676(b) are exempt from this 5-year repeat testing requirement.
[Table 3 to 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)**5.2 Specific Monitoring Requirements**

- 5.2.10 The Permittee shall comply with the detailed monitoring provisions of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, for all subject equipment. In particular, when using a baghouse(s) to control emissions from any affected facility/source constructed, modified, or reconstructed on or after April 22, 2008, the Permittee shall conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A-7). The Method 22 test shall be conducted while the baghouse(s) is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the Permittee shall initiate corrective action within 24 hours to return the baghouse(s) to normal operation. The Permittee shall record each Method 22 test, including the date and any corrective actions taken. The Permittee may establish a different baghouse(s)-specific success level(s) for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to 40 CFR 60.675(b) simultaneously with a Method 22 to determine what constitutes normal visible emissions from that affected facility's baghouse(s) when it is in compliance with the applicable PM concentration limit of this subpart. The revised visible emissions success level(s) shall be incorporated into the permit for the affected facility. As an alternative to the periodic Method 22 visible emissions inspections, the Permittee may use a bag leak detection system according to the detailed provisions of 40 CFR 60.674(d).
[391-3-1-.02(6)(b)1, 40 CFR 60.674]
- 5.2.11 The Permittee shall monitor and record the monthly throughput from the entire mixing plant system (both lines).
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements**

6.1.8 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)
 - i. Any rolling 12-months period during which the combined cumulative throughput between the Conveyance Systems (CS01 and CS02) exceed 1,576,800 tons.
 - ii. Any rolling 12-months period during which the combined cumulative throughput between the Primary Crushers (PC01 and PC02) shall not exceed 1,576,800 tons.
 - iii. Any rolling 12-months period during which the combined cumulative throughput between the Screen Banks (SB01 and SB02) shall not exceed 1,576,800 tons.

6.2 Specific Record Keeping and Reporting Requirements

6.2.10 The Permittee shall maintain monthly records of the throughput from the entire mixing plant system (both lines).

6.2.11 In addition to complying with the applicable *General Provisions* of 40 CFR 60, *Standards of Performance for New Stationary Sources*, the Permittee shall comply with the detailed notification, reporting, and recordkeeping requirements of 40 CFR 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*, for all subject equipment. In particular,
[391-3-1-.02(6)(b)1 and 40 CFR 60.7, 60.48(c) & 60.676]

- a. For each affected facility/source constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008, the Permittee shall submit to the Division the following information about the existing facility being replaced and the replacement piece of equipment:
 - i. for a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
 - (A) The rated capacity in megagrams or tons per hour of the existing facility being replaced; and
 - (B) The rated capacity in tons per hour of the replacement equipment.

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- ii. for a screening operation:
 - (C) The total surface area of the top screen of the existing screening operation being replaced; and
 - (D) The total surface area of the top screen of the replacement screening operation.
- iii. for a conveyor belt:
 - (E) The width of the existing belt being replaced; and
 - (F) The width of the replacement conveyor belt.
- iv. or a storage bin:
 - (G) The rated capacity in megagrams or tons of the existing storage bin being replaced; and
 - (H) The rated capacity in megagrams or tons of replacement storage bins.
- b. For each affected facility/source constructed, modified, or reconstructed after August 31, 1983 but before April 22, 2008, the Permittee shall:
 - i. record each periodic inspection required under 40 CFR 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The Permittee shall keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available upon request by the Division.
 - ii. keep the following records for each bag leak detection system installed and operated according to 40 CFR 60.674(d), if applicable:
 - (I) Records of the bag leak detection system output;
 - (J) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and
 - (K) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.

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- c. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Condition 3.3.1, including reports of opacity observations made using Method 9 (40 CFR 60, Appendix A-4) to demonstrate compliance with Condition 3.3.1a.i., iv. and v. and b.i., iv. and v.
- d. The Permittee using wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in Condition 3.3.1a.i., iv. and v. and the emission test requirements of 40 CFR 60.11.
- e. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart.
- f. A notification of the actual date of initial startup of each affected facility shall be submitted as follows:
 - i. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the Permittee to the Division. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.
 - ii. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.
- g. The requirements of this condition remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.
- h. Notifications and reports required for demonstrating compliance need only to be sent to the EPA Region IV or the Division.